

COPRES CONTROL
OUTGOING LETTER NO

ICE ORDER

93 RF 10772

EG&G ROCKY FLATS

EG&G ROCKY FLATS INC

OCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402-0464 (303) 966 7000

August 31 1993

93 RF 10772

Dr Manoranjan Misra

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UNIVERSITY OF NEVADA/RENO SOIL ACCEPTANCE CRITERIA WJR-003 93

In response to the above referenced correspondence the following information is provided

EG&G Rocky Flats Plant (EG&G RFP) intends to ship a bulk sample of soil from Surficial Soil Sampling Plot Identification Number 80 (Operable Unit No 2 Phase II RCRA Facilities Investigation/Remedial Investigation Work Plan)

- 1) The concentration of radionuclides in the soil is not explicitly available prior to analytical determination however previous sampling events have resulted in isotherms of both plutonium and americium for the sampling area Those isotherms provide the following approximate values plutonium 20 pCi/g and americium 5 pCi/g
- 2) Soil density is in the range of 1.11 to 1.21 g/cc
- 3) Total weight is estimated to be 4 000 lbs
- 4) Isotopes present as well as TCLP analytical results are presented as Appendix 1 for a separate soil sample taken from Area 80

Rocky Flats plant will in general accept any unused soil and test residues generated from testing on Rocky Flats soils Before these materials can be returned the following are needed

Complete RCRA analysis for hazardous constituents (VOCs SVOC metals)

Disclosure of all treatment processes chemical additions etc

All test products must be dewatered no free water will be accepted as returned materials (i.e. all water must be treated at the testing facility)

PPE and other equipment will not be accepted as these materials need to be disposed of at the testing facility

Materials must be packed for return by a DOT certified package Evidence of having the proper DOT certification must be presented to the Rocky Flats Traffic Department

If you have any questions or require further information please call me at 303 966-6951

W J Roushey

W J Roushey

Environmental Engineering & Technology

WJR cet

Attachment

As Stated

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

COPRES CONTROL x x
ADMIN RECORD
PAST 30G
TRAFFIC

CLASSIFICATION

UNCLASSIFIED
CONFIDENTIAL
SECRET

AUTHORIZED CLASSIFIER
SIGNATURE

*Not required per
classification office*

DATE exempt

IN REPLY TO REF CC NO

ACTION ITEM STATUS

☐ RT OPE

☐ CSE

LTR APPROVAL

ORIG & TYPIST INITIALS

WJR/cet

RF-46489 R 793

AUG 30 1993

VOA DATA August 23 1993

Loc	ST	QC	Sample Number	Sepl	Date	ID	Group	Chemical	Result	Unit	Error	Qual	D	LMT	VA	RN1	RN2	RN3	RN4	VResult	VUnit	VQual	VOET
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	200	UG/L		U	200		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	120	UG/L		U	120		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	100	UG/L		U	10		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	7	UG/L		U	7		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	3	UG/L		U	3		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	15	UG/L		U	15		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	4.2	UG/L		U	4.2		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	8.8	UG/L		U	8.8		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	200	UG/L		U	200		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	17	UG/L		U	17		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	40	UG/L		U	40		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	12	UG/L		U	12		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	50	UG/L		U	5		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	100	UG/L		U	10		V								
SS003292	SS	REAL	SS01193ST	18	NOV	92	TRG	VOATCLPR	2	UG/L		U	2		V								

RADS DATA August 23 1993									
Loc	ST QC	Sample Number	Smpl Date	ID	Group	Chemical	Result	Unit	Error
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	TRADES	CESIUM 137	1 277	PCI/G	157
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	TRADES	GROSS ALPHA	23 01	PCI/G	5 91
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	TRADES	GROSS BETA	38 54	PCI/G	3 95
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	TRADES	RADIUM 226	8491	PCI/G	153
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	TRADES	RADIUM 228	2 166	PCI/G	321

WQHP DATA August 23 1993									
Loc	ST QC	Sample Number	Smpl Date	ID	Group	Chemical	Result	Unit	Error
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	WQPL	CYANIDE	544	UG/G	5 V
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	WQPL	SULFIDE	12 5	UG/G	10 V
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	WQPL	PH	6 05	PH	1 V

METALS DATA August 23 1993									
Loc	ST QC	Sample Number	Smpl Date	ID	Group	Chemical	Result	Unit	Error
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	ARSENIC	87 2	UG/L	500 JA 11
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	BARIUM	1260	UG/L	10 JA 11
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	CADMIUM	4 1	UG/L	10 R 5
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	CHROMIUM	5 4	UG/L	25 JA 5 11
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	LEAD	73 1	UG/L	200 JA 11
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	MERCURY	1	UG/L	2 JA 11
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	SELENIUM	144	UG/L	500 JA 11
SS003292	SS REAL	SS01193ST	18 NOV 92	TRG	METICLPR	SILVER	6	UG/L	20 R 13 10